

zsh-autosuggestions.zsh(1)

NAME

zsh-autosuggestions.zsh - a shell script

SYNOPSIS

Documentation automatically generated with `zshelldoc`

FUNCTIONS

```
_zsh_autosuggest_accept  
_zsh_autosuggest_async_pty_create  
_zsh_autosuggest_async_pty_destroy  
_zsh_autosuggest_async_request  
_zsh_autosuggest_async_response  
_zsh_autosuggest_async_server  
_zsh_autosuggest_async_start  
_zsh_autosuggest_bind_widget  
_zsh_autosuggest_clear  
_zsh_autosuggest_disable  
_zsh_autosuggest_enable  
_zsh_autosuggest_escape_command  
_zsh_autosuggest_execute  
_zsh_autosuggest_feature_detect_zpty_returns_fd  
_zsh_autosuggest_fetch  
_zsh_autosuggest_get_bind_count  
_zsh_autosuggest_highlight_apply  
_zsh_autosuggest_highlight_reset  
_zsh_autosuggest_incr_bind_count  
_zsh_autosuggest_invoke_original_widget  
_zsh_autosuggest_modify  
_zsh_autosuggest_partial_accept  
_zsh_autosuggest_strategy_default  
_zsh_autosuggest_strategy_match_prev_cmd  
_zsh_autosuggest_suggest  
_zsh_autosuggest_toggle  
AUTOLOAD add-zsh-hook  
PRECMD-HOOK _zsh_autosuggest_async_pty_recreate  
PRECMD-HOOK _zsh_autosuggest_bind_widgets  
PRECMD-HOOK _zsh_autosuggest_start
```

DETAILS

Script Body

Has 71 line(s). Calls functions:

```
Script-Body
`-- add-zsh-hook
```

_zsh_autosuggest_accept

```
# Accept the entire suggestion
```

Has 11 line(s). Calls functions:

```
_zsh_autosuggest_accept
`-- _zsh_autosuggest_invoke_original_widget
```

Not called by script or any function, may be a hook or Zle widget, etc.

_zsh_autosuggest_async_pty_create

Has 13 line(s). Doesn't call other functions.

Uses feature(s): *zle, zpty*

Called by:

```
_zsh_autosuggest_async_pty_recreate
```

_zsh_autosuggest_async_pty_destroy

Has 4 line(s). Doesn't call other functions.

Uses feature(s): *zle, zpty*

Called by:

```
_zsh_autosuggest_async_pty_recreate
```

_zsh_autosuggest_async_pty_recreate

Has 2 line(s). **Is a precmd hook.** Calls functions:

```
_zsh_autosuggest_async_pty_recreate  
|-- _zsh_autosuggest_async_pty_create  
'-- _zsh_autosuggest_async_pty_destroy
```

Called by:

```
_zsh_autosuggest_async_start
```

`_zsh_autosuggest_async_request`

Has 1 line(s). Doesn't call other functions.

Uses feature(s): *zpty*

Called by:

```
_zsh_autosuggest_fetch
```

`_zsh_autosuggest_async_response`

```
# Called when new data is ready to be read from the pty  
# First arg will be fd ready for reading  
# Second arg will be passed in case of error
```

Has 6 line(s). Doesn't call other functions.

Uses feature(s): *zle, zpty*

Not called by script or any function, may be a hook or Zle widget, etc.

`_zsh_autosuggest_async_server`

```
# Zpty process is spawned running this function
```

Has 21 line(s). Doesn't call other functions.

Uses feature(s): *kill*

Not called by script or any function, may be a hook or Zle widget, etc.

`_zsh_autosuggest_async_start`

Has 5 line(s). Calls functions:

```
_zsh_autosuggest_async_start
|-- _zsh_autosuggest_async_ptty_recreate
|   |-- _zsh_autosuggest_async_ptty_create
|   `-- _zsh_autosuggest_async_ptty_destroy
|-- _zsh_autosuggest_feature_detect_zpty_returns_fd
`-- add-zsh-hook
```

Called by:

```
_zsh_autosuggest_start
```

`_zsh_autosuggest_bind_widget`

```
# Bind a single widget to an autosuggest widget, saving a reference to the
original widget
```

Has 29 line(s). Calls functions:

```
_zsh_autosuggest_bind_widget
|-- _zsh_autosuggest_get_bind_count
`-- _zsh_autosuggest_incr_bind_count
```

Uses feature(s): *eval*, *zle*

Called by:

```
_zsh_autosuggest_bind_widgets
```

`_zsh_autosuggest_bind_widgets`

```
# Map all configured widgets to the right autosuggest widgets
```

Has 24 line(s). **Is a precmd hook.** Calls functions:

```
_zsh_autosuggest_bind_widgets
`-- _zsh_autosuggest_bind_widget
    |-- _zsh_autosuggest_get_bind_count
    `-- _zsh_autosuggest_incr_bind_count
```

Called by:

```
_zsh_autosuggest_start
```

_zsh_autosuggest_clear

```
# Clear the suggestion
```

Has 3 line(s). Calls functions:

```
_zsh_autosuggest_clear
`-- _zsh_autosuggest_invoke_original_widget
```

Called by:

```
_zsh_autosuggest_disable
```

_zsh_autosuggest_disable

```
# Disable suggestions
```

Has 2 line(s). Calls functions:

```
_zsh_autosuggest_disable
`-- _zsh_autosuggest_clear
    `-- _zsh_autosuggest_invoke_original_widget
```

Called by:

```
_zsh_autosuggest_toggle
```

`_zsh_autosuggest_enable`

```
# Enable suggestions
```

Has 5 line(s). Calls functions:

```
_zsh_autosuggest_enable
`-- _zsh_autosuggest_fetch
    |-- _zsh_autosuggest_async_request
    `-- _zsh_autosuggest_suggest
```

Called by:

```
_zsh_autosuggest_toggle
```

`_zsh_autosuggest_escape_command`

```
#-----#
# Utility Functions                               #
#-----#
```

Has 2 line(s). Doesn't call other functions.

Not called by script or any function, may be a hook or Zle widget, etc.

`_zsh_autosuggest_execute`

```
# Accept the entire suggestion and execute it
```

Has 3 line(s). Calls functions:

```
_zsh_autosuggest_execute
`-- _zsh_autosuggest_invoke_original_widget
```

Not called by script or any function, may be a hook or Zle widget, etc.

`_zsh_autosuggest_feature_detect_zpty_returns_fd`

```
#-----#  
# Feature Detection #  
#-----#
```

Has 12 line(s). Doesn't call other functions.

Uses feature(s): *zpty*

Called by:

```
_zsh_autosuggest_async_start
```

_zsh_autosuggest_fetch

```
# Fetch a new suggestion based on what's currently in the buffer
```

Has 7 line(s). Calls functions:

```
_zsh_autosuggest_fetch  
|-- _zsh_autosuggest_async_request  
'-- _zsh_autosuggest_suggest
```

Uses feature(s): *zpty*

Called by:

```
_zsh_autosuggest_enable  
_zsh_autosuggest_modify
```

_zsh_autosuggest_get_bind_count

Has 5 line(s). Doesn't call other functions.

Called by:

```
_zsh_autosuggest_bind_widget
```

_zsh_autosuggest_highlight_apply

```
# If there's a suggestion, highlight it
```


Has 8 line(s). Doesn't call other functions.

Not called by script or any function, may be a hook or Zle widget, etc.

`_zsh_autosuggest_highlight_reset`

```
# If there was a highlight, remove it
```

Has 6 line(s). Doesn't call other functions.

Not called by script or any function, may be a hook or Zle widget, etc.

`_zsh_autosuggest_incr_bind_count`

```
#-----#  
# Widget Helpers                               #  
#-----#
```

Has 7 line(s). Doesn't call other functions.

Called by:

```
_zsh_autosuggest_bind_widget
```

`_zsh_autosuggest_invoke_original_widget`

```
# Given the name of an original widget and args, invoke it, if it exists
```

Has 9 line(s). Doesn't call other functions.

Uses feature(s): *zle*

Called by:

```
_zsh_autosuggest_accept  
_zsh_autosuggest_clear  
_zsh_autosuggest_execute  
_zsh_autosuggest_modify  
_zsh_autosuggest_partial_accept
```

`_zsh_autosuggest_modify`

```
# Modify the buffer and get a new suggestion
```

Has 31 line(s). Calls functions:

```
_zsh_autosuggest_modify  
|-- _zsh_autosuggest_fetch  
|   |-- _zsh_autosuggest_async_request  
|   `-- _zsh_autosuggest_suggest  
`-- _zsh_autosuggest_invoke_original_widget
```

Not called by script or any function, may be a hook or Zle widget, etc.

`_zsh_autosuggest_partial_accept`

```
# Partially accept the suggestion
```

Has 13 line(s). Calls functions:

```
_zsh_autosuggest_partial_accept  
`-- _zsh_autosuggest_invoke_original_widget
```

Not called by script or any function, may be a hook or Zle widget, etc.

`_zsh_autosuggest_start`

```
# Start the autosuggestion widgets
```

Has 8 line(s). **Is a precmd hook.** Calls functions:

```

_zsh_autosuggest_start
|-- _zsh_autosuggest_async_start
|   |-- _zsh_autosuggest_async_ptty_recreate
|   |   |-- _zsh_autosuggest_async_ptty_create
|   |   `-- _zsh_autosuggest_async_ptty_destroy
|   |-- _zsh_autosuggest_feature_detect_zpty_returns_fd
|   `-- add-zsh-hook
|-- _zsh_autosuggest_bind_widgets
|   `-- _zsh_autosuggest_bind_widget
|       |-- _zsh_autosuggest_get_bind_count
|       `-- _zsh_autosuggest_incr_bind_count
`-- add-zsh-hook

```

Not called by script or any function, may be a hook or Zle widget, etc.

_zsh_autosuggest_strategy_default

```

#-----#
# Default Suggestion Strategy                               #
#-----#
# Suggests the most recent history item that matches the given
# prefix.

```

Has 4 line(s). Doesn't call other functions.

Not called by script or any function, may be a hook or Zle widget, etc.

_zsh_autosuggest_strategy_match_prev_cmd

```

#-----#
# Match Previous Command Suggestion Strategy #
#-----#
# Suggests the most recent history item that matches the given
# prefix and whose preceding history item also matches the most
# recently executed command.
#
# For example, suppose your history has the following entries:
# - pwd
# - ls foo
# - ls bar
# - pwd
#
# Given the history list above, when you type 'ls', the suggestion
# will be 'ls foo' rather than 'ls bar' because your most recently
# executed command (pwd) was previously followed by 'ls foo'.
#
# Note that this strategy won't work as expected with ZSH options that don't
# preserve the history order such as `HIST_IGNORE_ALL_DUPS` or
# `HIST_EXPIRE_DUPS_FIRST`.

```

Has 13 line(s). Doesn't call other functions.

Not called by script or any function, may be a hook or Zle widget, etc.

_zsh_autosuggest_suggest

```
# Offer a suggestion
```

Has 7 line(s). Doesn't call other functions.

Called by:

```
_zsh_autosuggest_fetch
```

_zsh_autosuggest_toggle

```
# Toggle suggestions (enable/disable)
```

Has 5 line(s). Calls functions:

```
_zsh_autosuggest_toggle
|-- _zsh_autosuggest_disable
|   |-- _zsh_autosuggest_clear
|       |-- _zsh_autosuggest_invoke_original_widget
|-- _zsh_autosuggest_enable
    |-- _zsh_autosuggest_fetch
        |-- _zsh_autosuggest_async_request
        |-- _zsh_autosuggest_suggest
```

Not called by script or any function, may be a hook or Zle widget, etc.

add-zsh-hook

Has 93 line(s). Doesn't call other functions.

Uses feature(s): *autoload*

Called by:

```
Script-Body
_zsh_autosuggest_async_start
_zsh_autosuggest_start
```